

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Carlisle County, Kentucky**

**Kentucky State Nature Preserves
Commission
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Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Carlisle	Vascular Plants	<i>Aesculus pavia</i>	Red Buckeye	T /	G5 / S2S3	1	0	0	0	0
Carlisle	Vascular Plants	<i>Cabomba caroliniana</i>	Carolina Fanwort	T /	G3G5 / S2	0	2	0	0	0
Carlisle	Vascular Plants	<i>Carex decomposita</i>	Epiphytic Sedge	T /	G3 / S2	0	1	0	0	0
Carlisle	Vascular Plants	<i>Chelone obliqua</i> var. <i>speciosa</i>	Rose Turtlehead	S /	G4T3 / S3	2	0	0	0	0
Carlisle	Vascular Plants	<i>Clematis crispa</i>	Blue Jasmine Leather-flower	T /	G5 / S2	2	0	1	0	0
Carlisle	Vascular Plants	<i>Didiplis diandra</i>	Water-purslane	S /	G5 / S2S3	2	0	0	0	0
Carlisle	Vascular Plants	<i>Heterotheca subaxillaris</i> var. <i>latifolia</i>	Broad-leaf Golden-aster	T /	G5T5 / S2	0	1	0	0	0
Carlisle	Vascular Plants	<i>Hydrolea uniflora</i>	One-flower Fiddleleaf	E /	G5 / S1	1	0	0	0	0
Carlisle	Vascular Plants	<i>Lilium superbum</i>	Turk's Cap Lily	T /	G5 / S1S2	0	1	0	0	0
Carlisle	Vascular Plants	<i>Melanthera nivea</i>	Snow Squarestem	S /	G5 / S3?	0	1	0	0	0
Carlisle	Vascular Plants	<i>Phacelia ranunculacea</i>	Blue Scorpion-weed	S /	G4 / S3	2	2	0	0	0
Carlisle	Vascular Plants	<i>Salix amygdaloides</i>	Peach-leaved Willow	H /	G5 / SH	0	1	0	0	0
Carlisle	Vascular Plants	<i>Utricularia macrorhiza</i>	Greater Bladderwort	E /	G5 / S1	1	0	0	0	0
Carlisle	Aquatic Snails	<i>Lithasia armigera</i>	Armored Rocksnail	S / SOMC	G3G4 / S3S4	1	0	0	0	0
Carlisle	Aquatic Snails	<i>Lithasia verrucosa</i>	Varicose Rocksnail	S / SOMC	G4Q / S3S4	1	0	0	0	0
Carlisle	Terrestrial Snails	<i>Webbhelix multilineata</i>	Striped Whitelip	T /	G5 / S1S2	7	0	0	0	0
Carlisle	Freshwater Mussels	<i>Potamilus capax</i>	Fat Pocketbook	E / LE	G1G2 / S1	1	0	0	0	0
Carlisle	Freshwater Mussels	<i>Toxolasma texasiensis</i>	Texas Lilliput	E /	G4 / S1	1	0	0	0	0
Carlisle	Crustaceans	<i>Cambarellus shufeldtii</i>	Cajun Dwarf Crayfish	S /	G5 / S2	0	2	0	0	0
Carlisle	Crustaceans	<i>Orconectes lancifer</i>	Shrimp Crayfish	E /	G5 / S1	1	2	0	0	0
Carlisle	Crustaceans	<i>Orconectes palmeri palmeri</i>	Gray-Speckled Crayfish	E /	G5T5 / S1	1	0	0	0	0
Carlisle	Insects	<i>Arigomphus maxwelli</i>	Bayou Clubtail	T /	G5 / S1S2	1	0	0	0	0
Carlisle	Insects	<i>Papaipema</i> sp. 5	Rare Cane Borer Moth	T /	G1G2 / S1S2	4	0	0	0	0
Carlisle	Fishes	<i>Acipenser fulvescens</i>	Lake Sturgeon	E / SOMC	G3G4 / S1	0	1	0	0	0
Carlisle	Fishes	<i>Atractosteus spatula</i>	Alligator Gar	E / SOMC	G3G4 / S1	0	1	0	0	0
Carlisle	Fishes	<i>Cyprinella venusta</i>	Blacktail Shiner	S /	G5 / S3	6	2	0	0	0
Carlisle	Fishes	<i>Erimyzon sucetta</i>	Lake Chubsucker	T /	G5 / S2	0	1	0	0	0
Carlisle	Fishes	<i>Esox niger</i>	Chain Pickerel	S /	G5 / S3	2	0	0	0	0
Carlisle	Fishes	<i>Hybognathus hayi</i>	Cypress Minnow	E /	G5 / S1	0	6	0	0	0

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Carlisle	Fishes	<i>Lepomis miniatus</i>	Redspotted Sunfish	T /	G5 / S2	2	5	0	0	0
Carlisle	Fishes	<i>Macrhybopsis gelida</i>	Sturgeon Chub	E /	G3 / S1	0	1	0	0	0
Carlisle	Fishes	<i>Macrhybopsis meeki</i>	Sicklefin Chub	E /	G3 / S1	0	1	0	0	0
Carlisle	Fishes	<i>Menidia beryllina</i>	Inland Silverside	T /	G5 / S2	0	1	0	0	0
Carlisle	Fishes	<i>Notropis maculatus</i>	Taillight Shiner	T /	G5 / S2S3	2	2	0	0	0
Carlisle	Amphibians	<i>Hyla cinerea</i>	Green Treefrog	S /	G5 / S3	7	0	0	0	0
Carlisle	Amphibians	<i>Rana areolata circulosa</i>	Northern Crawfish Frog	S /	G4T4 / S3	4	1	2	0	0
Carlisle	Reptiles	<i>Apalone mutica mutica</i>	Midland Smooth Softshell	S /	G5T5 / S3	2	0	0	0	0
Carlisle	Reptiles	<i>Chrysemys dorsalis</i>	Southern Painted Turtle	T /	G5 / S2	0	0	0	0	1
Carlisle	Reptiles	<i>Farancia abacura reinwardtii</i>	Western Mud Snake	S /	G5T5 / S3	1	1	0	0	0
Carlisle	Reptiles	<i>Macrochelys temminckii</i>	Alligator Snapping Turtle	T / SOMC	G3G4 / S2	0	1	0	0	0
Carlisle	Reptiles	<i>Thamnophis sauritus sauritus</i>	Eastern Ribbon Snake	S /	G5T5 / S3	1	0	0	0	0
Carlisle	Breeding Birds	<i>Aimophila aestivalis</i>	Bachman's Sparrow	E / SOMC	G3 / S1B	0	0	0	1	0
Carlisle	Breeding Birds	<i>Ardea alba</i>	Great Egret	E /	G5 / S1B	1	0	0	1	0
Carlisle	Breeding Birds	<i>Chondestes grammacus</i>	Lark Sparrow	T /	G5 / S2S3B	0	1	0	0	0
Carlisle	Breeding Birds	<i>Corvus ossifragus</i>	Fish Crow	S /	G5 / S3B	2	0	0	0	0
Carlisle	Breeding Birds	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T / Delisted	G5 / S2B,S2S3N	3	0	0	0	0
Carlisle	Breeding Birds	<i>Ictinia mississippiensis</i>	Mississippi Kite	S /	G5 / S2B	2	0	0	0	0
Carlisle	Breeding Birds	<i>Lophodytes cucullatus</i>	Hooded Merganser	T /	G5 / S1S2B,S3S4 N	1	0	0	0	0
Carlisle	Breeding Birds	<i>Sternula antillarum athalassos</i>	Interior Least Tern	E / LE	G4T2Q / S2B	2	0	0	0	0
Carlisle	Breeding Birds	<i>Tyto alba</i>	Barn Owl	S /	G5 / S3	2	0	0	0	0
Carlisle	Mammals	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	S / SOMC	G3G4 / S3	1	0	0	1	0
Carlisle	Mammals	<i>Myotis austroriparius</i>	Southeastern Myotis	E / SOMC	G3G4 / S1S2	1	0	0	0	0
Carlisle	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	1	0	0	0	0
Carlisle	Mammals	<i>Nycticeius humeralis</i>	Evening Bat	S /	G5 / S3	1	0	0	0	0
Carlisle	Mammals	<i>Peromyscus gossypinus</i>	Cotton Mouse	T /	G5 / S2	2	0	0	0	0
Carlisle	Communities	<i>Coastal plain mesophytic cane forest</i>		/	GNR / S2S3	1	0	0	0	0

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Carlisle	Communities	<i>Cypress swamp</i>		/	GNR / S3	1	0	0	0	0
Carlisle County Total:						77	38	3	3	1